Advanced Algorithms in Bioinformatics (P4)

Sequence and Structure Analysis

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6. Exercise sheet, 25. May 2011
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Exercise 1.

repeats, supermaximal repeats

- For the text *tacaacaatacg* report all maximal repeated pairs and all supermaximal repeats.

Exercise 2.

lcp-intervals:

- For the same text as in Exercise 1, construct the lcp-table and apply the bottom-up algorithm to compute all lcp intervals.

Exercise 3.

child table:

- For the same text as in Exercise 1, compute the child table (up, $down$, $nextl$Index). Verify if your results agree with the intervals computed in Exercise 2.